

Molecular Biology

The Molecular Biology Laboratory provides Pulsed-Field Gel Electrophoresis (PFGE) subtyping of the following microorganisms, in conjunction with the Bureau of Epidemiology:

- *Salmonella sp.*
- *Escherichia coli*
- *Campylobacter sp.*
- *Listeria monocytogenes*
- *Shigella sp.*
- **ORSA (Oxacillin Resistant *Staphylococcus aureus*) – Special Projects Only**

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The Molecular Biology Laboratory also provides Polymerase Chain Reaction (PCR) testing on the following:

- *Bordetella pertussis*
- **Monkeypox virus**
- **SARS Coronavirus (Severe Acute Respiratory Syndrome)** (in conjunction with the Utah Department of Health Epidemiology)
- **Vaccinia virus**
- **Varicella zoster virus**

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Arbovirus detection by PCR is available in the Molecular Biology Laboratory in conjunction with Mosquito Abatement Districts and the Division of Wildlife Resources. Arboviruses include:

- **West Nile Virus**
- **Western Equine Encephalitis Virus**
- **St. Louis Encephalitis Virus**
- **West Nile Virus Human IgM ELISA** (In conjunction with the Utah Department of Health Epidemiology)

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